GOTEC
ET 50, ET 100 & ET 150 Miniature Piston Pumps

Solenoid Operated, Flow to 65 L/H (17.2 GPH)
Pressure to 14.5 Bar (210 PSI)

DESCRIPTION

Model ET 50, 100 and 150 pumps are the same dimensionally but vary in terms of pressure delivery and flow characteristics.These pumps are a great solution for low volume liquid pumping applications. A range of wetted materials are available making the pumps suitable for many fluid transfer applications.
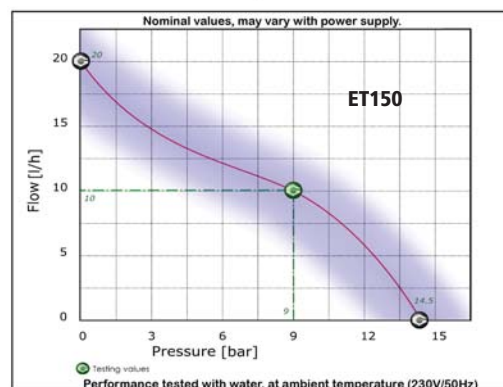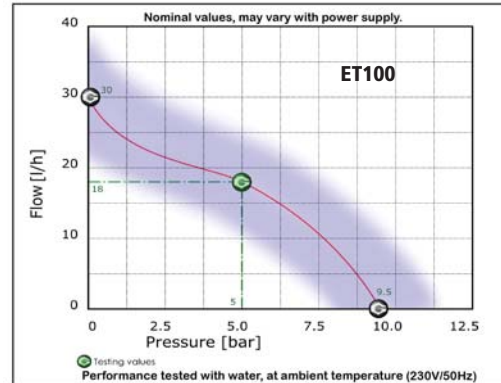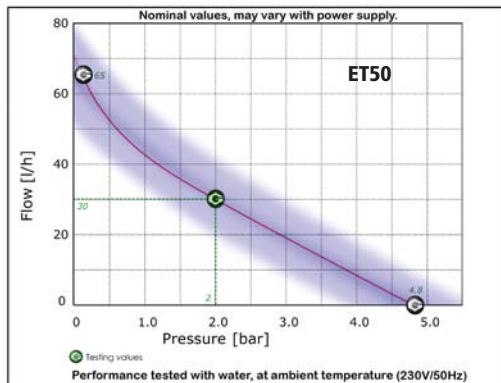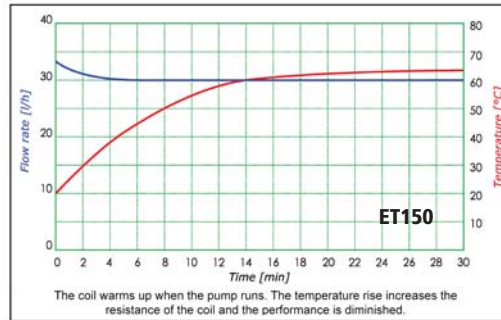
The pumps are self priming.

SPECIFICATIONS

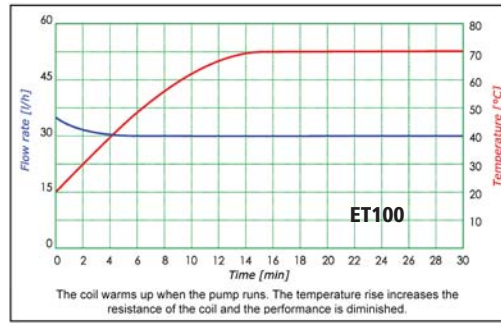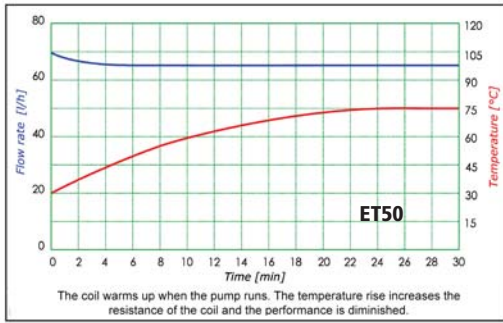|	ET50	ET100	ET150
Pump Piston	Chrome coated AISI 431 SS		
Pump Spring	AISI 316 SS		
Pump End Connections	AISI 303 SS w/G1/8 female thread or POM w/7.5 mm O.D.barb		
Valve/Seal Material	NBR		
Max Pressure	4.8 Bar (69.6 PSI)	9.5 Bar (138 PSI)	14.5 Bar (210 PSI)
Max Flow	65L/H (17.2 GPH)	30 L/H (7.93 GPH)	20 L/H (5.28 GPH)
Suction Height	2 m (6.56 ft)	2 m (6.56 ft)	1 m (3.28 ft)
Viscosity	1....600 mm^2/s		
Particle Tolerance	100 Mesh		

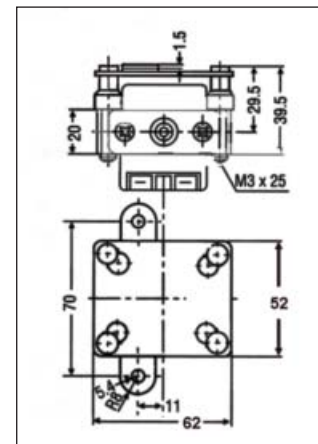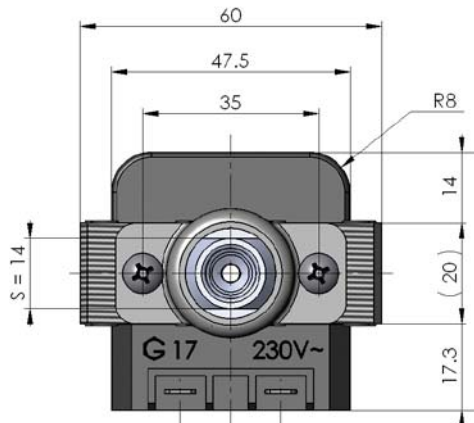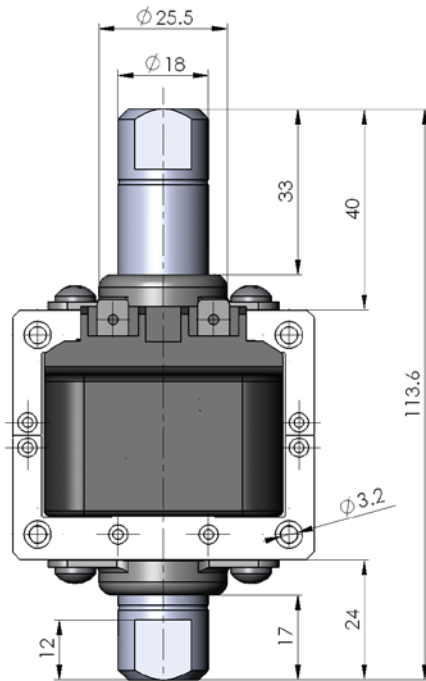|	ET50	ET100	ET150
Supply Voltage	24, 110, 230VAC, diode rectified		
Frequency	50/60 Hz		
DC Operation	Optional model PD-106 DC driver board		
Power Consumption	45 W		
Insulation	Class F-100% ED / 20 [°C] (Class H on request), Class I (Class II on request)		
Operating Factor	100% continuous@ 68°F		
Electrical Connections	2 x 6.3 mm (1/4")x 0.8 mm spade		
Ambient/Process Temperature Range	1 to 50°C (33.8 to 122°F)		
Options	G1/8 to 1/8" NPT male adapter; Mounting Bracket		

FLOW CURVES

EFFECT OF COIL TEMPERATURE RISE ON FLOW RATE

ET50

The coil warms up when the pump runs. The temperature rise increases the resistance of the coil and the performance is diminished.

ET100

The coil warms up when the pump runs. The temperature rise increases the resistance of the coil and the performance is diminished.

ET150

The coil warms up when the pump runs. The temperature rise increases the resistance of the coil and the performance is diminished.

DIMENSIONS (MM)

Model 19726.1 Mounting Plate

ELECTRICAL

AC Electric wiring diagram :
Fuse and diode are necessary

ORDERING INFORMATION
ABCD (ETG100P24V60HZ)

A Model	B Seals	C Voltage	D Frequency
ETG50= G1/8 Female Threads ETS750= 7.5mm OD Plastic Barb ETG100=G1/8 Female Thread ETS750= 7.5mm OD Plastic Barb ETG150= G1/8 Female Threads ETS7150= 7.5mm OD Plastic Barb	P=NBR(Perbunan)	24V=24V 110V=110V 230V=230V 100V=100V	60Hz=60Hz 50Hz=50Hz
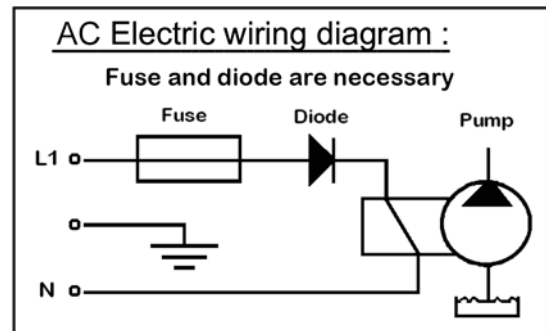
Special materials and connections are available in OEM quantities. Please consult with us.

Options			
Model	Description	Model	Description
Model PD-106	DC driver board, 9-35 VDC in, 9-35V pulsed DC out	19726.1	Mounting Plate
Model 1N5406	Diode	112170	Male G 1/8 to 1/8 NPT Male adapter